

ABSTRACT

A manway lift device comprises two hinge pairs, at least two smooth bore bushings, at least two internally threaded bushings and at least one adjustable biasing assembly, at least one of said bushings has a boss on one end thereof protruding beyond an exterior face of at least one hinge pair and having dogs disposed on the opposite end thereof. The dogs are engaged in dog holes disposed through the movable bracket of the hinge pairs with the smooth bore bushing of each bushing set receiving a bolt through the internal bore thereof which is threadedly received in the internally threaded bore of the threaded bushing. The bolt thus rigidly affixes the bushing set to movable bracket of the hinge pairs thereby rotatably affixing a manway cover to a manway collar. At least one of the bosses has a lift assist assembly associated therewith.